

Tip

By custom, if one of the variables is either controlled by an experimenter or it changes consistently (such as time) it is considered an independent variable and plotted on the X axis.

XY chart variants

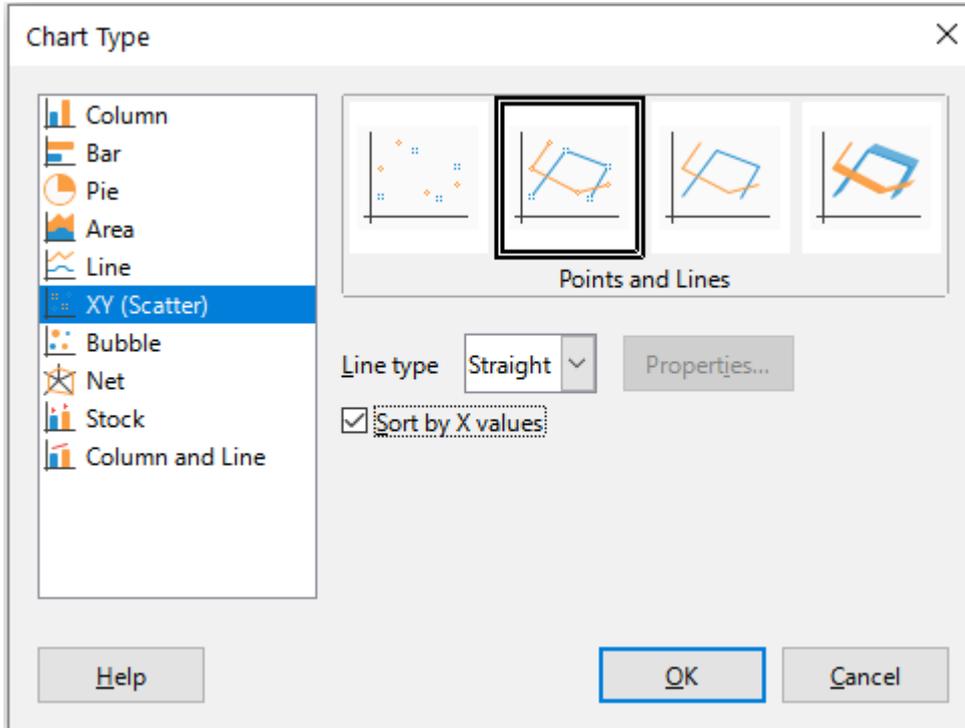


Figure 141: Chart Type dialog – XY (Scatter)

As shown in Figure 141, when the **XY (Scatter)** chart type is selected, the following variants are available:

Points Only

Shows an icon for each data point. Calc uses default icons with different forms and colors for each data series. The default colors are set in **Tools > Options > Charts > Default Colors**. Changing the colors and icons is discussed in “Lines, areas, and data point icons” on page 124.

Points and Lines

Shows both points and lines.

Lines Only

Draws straight lines from one data point to the next. The data points are not indicated by icons. By default, the drawing order is the same as the order in the data series, but note the option to sort by X values.

3D Lines

Makes the lines look like tapes. The data points are not shown by icons. In the finished chart, use the **3D View** dialog to set properties like illumination and angle of view.

The following options are available:

Sort by X values

Draws the lines in order of the X values. This can be helpful if the data series on the spreadsheet is not in numeric order.